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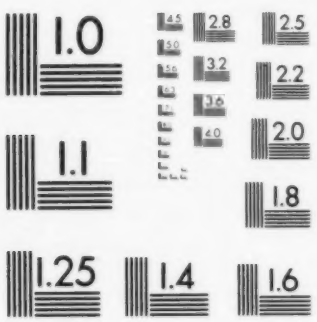

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Statistics on Canadian Fertilizer Consumption, Shipments and Trade Fertilizer Year 1986/87

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January 1988

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INTRODUCTION

There is a need for a better understanding of the method of collection and of the assumptions behind different data series regarding fertilizer distribution and use. This paper presents the most current statistics available, describing the sources and identifying possible discrepancies.

Agriculture Canada does not conduct any surveys of its own and therefore cannot assume responsibility for the actual figures themselves. Those contributing to this paper, however, do represent the most reliable sources currently available. Any questions concerning individual tables should be addressed to the organization or government agency responsible. (The relevant addresses and phone numbers are listed in the appendix).

1. CONSUMPTION OF FERTILIZER BY FERTILIZER TYPE

The most reliable sources on fertilizer consumption are regional fertilizer associations. These associations conduct surveys of all the principal companies engaged in fertilizer retailing within a particular province. For western Canada, statistics are also obtained on shipments from the basic manufacturers to estimate the volume handled by those not affiliated with the retail companies surveyed. It is estimated that over 95 percent of all fertilizer sales are captured by these regional association surveys.

The fertilizer consumption figures represent the volume sold by retailers within a particular province. This may not correspond exactly to all on-farm consumption in that province, as there is some inter-provincial and international movement of fertilizer between retailer and farm. It may be assumed, however, that any net movement is not significant in relation to the overall provincial total.

The fertilizer consumption statistics for all provinces are listed according to the materials used in the preparation of the fertilizer. There are no data which indicate what proportion of this material was utilized in the granular form and what proportion was utilized in the preparation of liquid fertilizers.

In western Canada, the Western Canada Fertilizer Association (WCFA) figures for potash consumption were significantly less than those reported to have been shipped from potash mines. It is assumed that this discrepancy is due to a number of individual fertilizer dealers ordering their potash

directly from the mines, rather than through their particular company (only the retail companies submit statistics to WCFA, not individual dealers). For the purposes of the consumption tables, potash use will be assumed to be mine shipments reported by the Potash and Phosphate Institute rather than that given by WCFA. The figure for "muriate of potash" is derived by subtracting the potash contained in "other mixtures" from the total potash shipped.

In western Canada, "Other Nitrogen" includes specialty nitrogeneous fertilizers plus mixtures which have nitrogen as their principal component. Similarly, "Other Phosphate" and "Other Potash" include mixtures which have these nutrients as their principal component. It is not possible to determime the phosphate and potash content of the "Other Nitrogen" mixtures from the information available; however, the total N, P and K content for all mixtures is known. In Tables 2.9 to 2.13 inclusive, the nitrogen content of all mixtures (regardless of how it is classified) is included in "Other Nitrogen", the total phosphate content is indicated in "Other Phosphate" and the total potash content in "Other Potash".

Table 1.1 Fertilizer Sold and Nutrient Content, Atlantic Provinces, Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
Nitrogen:				
Urea	11,976	5,509		
Ammonium Sulphate	1,854	389		
Ammonium Nitrate	28,234	9,600		
Phosphate:				
Diammonium Phosphate	45,485	8,187	20,923	
Single Superphosphate	675		135	
Triple Superphosphate	1,047		482	
Potash:				
Muriate of Potash	37,688			22,618
Potassium Sulphate	371			189
Potassium Magnesium Sulphate	3,858			849
Potassium Nitrate	1,635	213		719
Other	476	12		
Filler	21,328			
Borate	08			
Total	154,635	23,910	21,540	24,375

Source: The Atlantic Fertilizer Institute

Table 1.2 Fertilizer Sold and Nutrient Content, Quebec
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	85,774	39,456		
Ammonium Sulphate	3,606	757		
Ammonium Nitrate	52,765	17,940		
Anhydrous Ammonia	2,932	2,404		
Nitrogen Solutions	14,735	5,649		
Other Nitrogen	201	44		
Phosphate:				
Mono-ammonium Phosphate	17,991	1,978	9,286	
Diammonium Phosphate	124,803	22,464	57,409	
Single Superphosphate	4,501		901	
Triple Superphosphate	19,147		8,808	
Potash:				
Muriate of Potash	147,175			88,596
Potassium Sulphate	1,226			613
Potassium Magnesium Sulphate	28,403			6,248
Other fertilizer materials(1)	17,955			
Total	521,214	90,692	76,404	95,457

(1) Includes mainly limestone grit used as "filler".

Source: Quebec Fertilizer Manufacturers' Association

Table 1.3 Fertilizer Sold and Nutrient Content, Ontario
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	177,514	81,567		
Ammonium Sulphate	8,670	1,821		
Ammonium Nitrate	91,572	31,134		
Anhydrous Ammonia	43,749	35,873		
Nitrogen Solutions	122,323	34,250		
Phosphate:				
Mono-ammonium Phosphate	76,903	8,510	39,697	
Diammonium Phosphate	126,252	22,724	58,075	
Single Superphosphate	7,762		1,553	
Triple Superphosphate	42,743		19,662	
10-34-0	4,970	497	1,690	
Potash:				
Muriate of Potash	290,790			177,382
Potassium Sulphate	6,421			3,211
Potassium Magnesium Sulphate	12,865			2,676
Total	1,012,534	216,466	120,677	183,269

Source: The Fertilizer Institute of Ontario

Table 1.4 Fertilizer Sold and Nutrient Content, Eastern Canada
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	275,264	126,622		
Ammonium Sulphate	14,130	2,967		
Ammonium Nitrate	172,571	58,674		
Anhydrous Ammonia	46,681	38,277		
Nitrogen Solutions	137,058	39,899		
Other Nitrogen	201	44		
Phosphate:				
Mono-ammonium Phosphate	94,894	10,488	48,983	
Diammonium Phosphate	296,540	53,375	136,407	
Single Superphosphate	12,938		2,589	
Triple Superphosphate	62,937		28,952	
10-34-0	4,970	497	1,690	
Potash:				
Muriate of Potash	475,653			288,596
Potassium Sulphate	8,018			4,013
Potassium Magnesium Sulphate	45,126			9,773
Potassium Nitrate	1,635	213		719
Other Fertilizer Materials	39,767	12		
Total Eastern Canada	1,688,383	331,068	218,621	303,101

Source: This table is a summation of Tables 1.1, 1.2 and 1.3.

Table 1.5 Fertilizer Sold and Nutrient Content, Manitoba
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	142,530	65,564		
Ammonium Sulphate	12,019	2,524		
Ammonium Nitrate	49,200	16,728		
Anhydrous Ammonia	119,266	97,798		
Nitrogen Solutions	52,573	14,720		
Other Nitrogen(1)	16,805	6,185		
Phosphate:				
Mono-ammonium Phosphate	165,905	18,581	86,270	
Diammonium Phosphate	0	0	0	
Ammonium Phosphates, Other	3,803	400	1,246	
Other Phosphate(1)	26,548		9,464	
Potash:				
Muriate of Potash	33,640			20,520
Other Postash	819			129
Other nutrients	5			
Total	623,113	222,500	96,980	20,649

(1) Includes mixes which have more than one nutrient. The nitrogen content listed for "Other Nitrogen" includes the nitrogen contained in (primarily phosphatic) mixes included in "Other Phosphate".

Source: Western Canada Fertilizer Association

Potash figures are derived from shipments reported by the Potash and Phosphate Institute

Table 1.6 Fertilizer Sold and Nutrient Content, Saskatchewan
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	280,416	128,991		
Ammonium Sulphate	32,095	6,740		
Ammonium Nitrate	37,177	12,640		
Anhydrous Ammonia	99,902	81,920		
Nitrogen Solutions	6,796	1,903		
Other Nitrogen(1)	19,685	11,480		
Phosphate:				
Mono-ammonium Phosphate	277,787	31,111	144,445	
Diammonium Phosphate	165	30	76	
Ammonium Phosphates, Other	31,288	4,676	7,341	
Other Phosphate(1)	13,006		5,473	
Potash:				
Muriate of Potash	20,352			12,415
Other nutrients	0			
Total	818,669	274,815	157,335	12,415

(1) Includes mixes which have more than one nutrient. The nitrogen content listed for "Other Nitrogen" includes the nitrogen contained in (primarily phosphatic) mixes included in "Other Phosphate".

Source: Western Canada Fertilizer Association

Potash figures are derived from shipments reported by the Potash and Phosphate Institute

Table 1.7 Fertilizer Sold and Nutrient Content, Alberta
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	222,206	102,215		
Ammonium Sulphate	22,883	4,805		
Ammonium Nitrate	66,442	22,590		
Anhydrous Ammonia	131,260	107,633		
Nitrogen Solutions	46,279	12,958		
Other Nitrogen(1)	20,823	8,222		
Phosphate:				
Mono-ammonium Phosphate	244,822	27,420	127,307	
Diammonium Phosphate	67	13	31	
Ammonium Phosphates, Other	21,292	3,330	4,437	
Other Phosphate(1)	22,390		8,422	
Potash:				
Muriate of Potash	42,712			26,054
Other Potash(1)	2,251			294
Other nutrients	38			
Total	843,466	289,186	140,197	26,348

(1) Includes mixes which have more than one nutrient. The nitrogen content listed for "Other Nitrogen" includes the nitrogen contained in (primarily phosphatic) mixes classified as "Other Phosphate".

Source: Western Canada Fertilizer Association

Potash figures are derived from shipments reported by the Potash and Phosphate Institute

Table 1.8 Fertilizer Sold and Nutrient Content, British Columbia
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	28,764	13,231		
Ammonium Sulphate	5,223	1,097		
Ammonium Nitrate	10,334	3,514		
Anhydrous Ammonia	6,096	4,999		
Nitrogen Solutions	22	4		
Other Nitrogen(1)	669	230		
Phosphate:				
Mono-ammonium Phosphate	20,474	2,293	10,646	
Diammonium Phosphate	1,820	328	837	
Ammonium Phosphates, Other	7,973	1,276	1,593	
Other Phosphate(1)	67		50	
Potash:				
Muriate of Potash	11,492			7,010
Other Potash(1)	1,606			353
Other fertilizers(2)	486			
Total	95,026	26,972	13,126	7,363

(1) Includes mixes which have more than one nutrient. The nitrogen content listed for "Other Nitrogen" includes the nitrogen contained in (primarily phosphatic) mixes included in "Other Phosphate".

(2) Principally fertilizers containing elemental sulfur, magnesium or iron.

Source: Western Canada Fertilizer Association

Potash figures are derived from shipments reported by the Potash and Phosphate Institute

Table 1.9 Fertilizer Sold and Nutrient Content, Western Canada
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	673,916	310,000		
Ammonium Sulphate	72,220	15,166		
Ammonium Nitrate	163,153	55,472		
Anhydrous Ammonia	356,524	292,349		
Nitrogen Solutions	105,670	29,588		
Other Nitrogen(1)	57,982	22,178		
Phosphate:				
Mono-ammonium Phosphate	708,988	79,406	368,673	
Diammonium Phosphate	2,050	369	943	
Ammonium Phosphates, Other	64,356	8,945	16,026	
Other Phosphate(1)	62,011		21,996	
Potash:				
Muriate of Potash	108,196			66,000
Other Potash(1)	4,676			789
Other fertilizers(2)	529			
Total	2,380,273	813,473	407,638	66,789

(1) Includes mixes which have more than one nutrient. The nitrogen content listed for "Other Nitrogen" includes the nitrogen contained in (primarily phosphatic) mixes included in "Other Phosphate".

(2) Principally fertilizers containing elemental sulfur.

Source: Western Canada Fertilizer Association

Potash figures are derived from shipments reported by the Potash and Phosphate Institute

Table 1.10 Fertilizer Sold and Nutrient Content, All Canada
Year Ended June 30, 1987

Fertilizer Material	Quantity	Nutrient Content		
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
	(All figures in metric tonnes)			
Nitrogen:				
Urea	949,180	436,622		
Ammonium Sulphate	86,350	18,133		
Ammonium Nitrate	335,724	114,146		
Anhydrous Ammonia	403,205	330,627		
Nitrogen Solutions	242,728	69,487		
Other Nitrogen	58,183	22,222		
Phosphate:				
Mono-ammonium Phosphate	803,882	89,894	417,656	
Diammonium Phosphate	298,592	53,744	137,350	
Other Ammonium Phosphates	69,326	9,442	17,716	
Single Superphosphate	12,938		2,589	
Triple Superphosphate	62,937		28,952	
Other Phosphate	62,011		21,996	
Potash:				
Muriate of Potash	583,849			354,596
Potassium Sulphate	8,018			4,013
Potassium Magnesium Sulphate	45,126			9,773
Potassium Nitrate	1,635	213		719
Other Potash	4,676			789
Other fertilizers	40,296	12		
Total for all Canada	4,068,656	1,144,541	626,259	369,890

Source: This table is a summation of Tables 1.4 and 1.9

2. HISTORICAL CONSUMPTION DATA BY NUTRIENT EQUIVALENT

Up to the 1976/77 fertilizer year, data on provincial fertilizer consumption was provided by a Statistics Canada survey of fertilizer retailers and published in "Fertilizer Trade" (Stat. Can. Catalogue No. 46-207). It is not possible to use these statistics to isolate the amount of the different fertilizer feedstocks used in each province, as much of the fertilizer is expressed only in terms of the formulations sold. The Statistics Canada results are useful, however, for estimates of the total nutrient consumption in each province.

After the 1976/77 fertilizer year, the industry associations have been the most reliable sources of information on fertilizer consumption[1]. Generally, their statistics have been expressed in terms of the different materials used and also provide a summary of total nutrient consumption for the province or region.

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1 Statistics Canada did conduct a retail survey for the 1983/84 fertilizer year and published the results in "Usage of Fertilizer Materials" (Stat. Can. Catalogue No. 46-504).

Table 2.1 Total Fertilizer Materials Used and Nutrient Content, Newfoundland Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	N.A.	N.A.	N.A.	N.A.	N.A.
1986	3,611	415	474	457	1,346
1985	3,475	389	419	452	1,260
1984	3,517	395	425	480	1,300
1983	4,053	476	515	510	1,501
1982	3,541	352	443	514	1,309
1981	3,717	353	470	481	1,304
1980	4,418	414	570	571	1,555
1979	4,538	439	548	592	1,579
1978	5,958	614	774	758	2,146
1977	5,608	611	747	829	2,187
1976	4,437	484	580	629	1,693
1975	6,560	665	734	833	2,232
1974	4,941	465	612	606	1,683
1973	4,623	463	562	563	1,588
1972	4,936	545	583	574	1,702
1971	4,890	510	604	580	1,694
1970	4,161	358	514	511	1,383
1969	4,544	359	550	570	1,479
1968	4,680	399	558	499	1,456
1967	5,284	430	594	538	1,562
1966	4,899	327	571	503	1,401

Source: (1966-1977) Statistics Canada "Fertilizer Trade" (Stat. Can. Catalogue No. 46-207)
(1980-1987) Atlantic Fertilizer Institute

Table 2.2 Total Fertilizer Materials Used and Nutrient Content, Prince Edward Island
Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	N.A.	N.A.	N.A.	N.A.	N.A.
1986	59,285	8,617	9,285	9,561	27,463
1985	60,354	8,133	10,021	10,170	28,324
1984	58,417	7,744	9,857	9,929	27,530
1983	58,021	7,528	9,725	9,901	27,154
1982	58,304	7,465	9,881	9,854	27,201
1981	56,378	7,134	9,608	9,674	26,415
1980	51,714	6,620	8,714	8,689	24,023
1979	59,035	7,094	10,231	10,025	27,350
1978	52,987	6,596	8,951	8,903	24,450
1977	45,827	5,998	8,692	8,560	23,250
1976	47,686	6,037	8,933	9,053	24,023
1975	44,602	5,018	7,885	7,682	20,585
1974	50,840	5,729	8,818	8,757	23,304
1973	48,606	4,782	8,687	8,222	21,691
1972	45,412	4,481	8,114	8,519	21,114
1971	48,403	4,600	8,903	8,366	21,869
1970	52,897	5,058	9,566	9,293	23,917
1969	52,202	5,013	9,726	8,917	23,656
1968	50,434	4,536	8,726	8,502	21,764
1967	50,413	4,412	8,425	8,282	21,119
1966	61,329	4,438	8,668	8,488	21,594

Source: (1966-1977) Statistics Canada "Fertilizer Trade" (Stat. Can. Catalogue No. 46-207)
(1980-1987) Atlantic Fertilizer Institute

Table 2.3 Total Fertilizer Materials Used and Nutrient Content, Nova Scotia Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	N.A.	N.A.	N.A.	N.A.	N.A.
1986	34,375	5,706	4,396	4,978	15,080
1985	32,326	5,026	4,258	4,923	14,207
1984	34,206	5,466	4,471	5,346	15,283
1983	36,829	6,218	4,569	5,429	16,215
1982	34,073	5,209	4,565	5,354	15,128
1981	33,543	5,285	4,245	5,152	14,681
1980	31,828	4,738	4,237	4,990	13,966
1979	35,110	5,032	5,024	5,593	15,649
1978	34,983	4,952	5,008	5,467	15,427
1977	30,118	4,261	5,096	5,194	14,551
1976	29,575	4,157	5,012	5,020	14,189
1975	31,638	4,097	4,565	4,782	13,444
1974	31,637	4,240	4,550	4,720	13,510
1973	31,600	3,892	4,765	4,852	13,509
1972	30,512	3,925	4,669	4,640	13,234
1971	30,832	3,670	4,732	4,676	13,078
1970	34,601	3,902	5,273	5,287	14,462
1969	32,103	3,318	4,759	4,729	12,806
1968	30,701	2,800	4,196	4,168	11,164
1967	33,743	2,880	4,463	4,597	11,940
1966	37,039	2,984	4,551	4,554	12,089

Source: (1966-1977) Statistics Canada "Fertilizer Trade" (Stat. Can. Catalogue No. 46-207)
(1980-1987) Atlantic Fertilizer Institute

Table 2.4 Total Fertilizer Materials Used and Nutrient Content, New Brunswick Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	N.A.	N.A.	N.A.	N.A.	N.A.
1986	47,928	6,419	6,063	6,857	19,339
1985	52,016	6,761	6,818	7,356	20,935
1984	52,376	6,534	6,773	7,551	20,863
1983	48,338	5,367	6,351	6,803	18,521
1982	50,195	5,929	6,833	7,118	19,879
1981	51,896	6,202	7,009	6,985	20,196
1980	51,259	5,914	6,996	7,093	20,003
1979	56,128	6,223	7,706	7,722	21,651
1978	57,141	6,129	7,649	7,704	21,482
1977	47,237	5,452	7,085	6,880	19,417
1976	51,420	5,856	7,655	7,602	21,113
1975	55,068	5,633	7,122	6,995	19,750
1974	62,197	6,294	8,178	7,861	22,333
1973	56,757	5,545	7,866	7,325	20,736
1972	58,417	5,853	8,144	7,381	21,378
1971	62,211	5,947	8,548	7,756	22,251
1970	69,165	6,367	9,842	8,805	25,014
1969	70,043	6,269	9,576	8,433	24,278
1968	69,164	4,168	9,518	8,040	21,726
1967	75,095	5,895	10,472	8,090	24,457
1966	79,838	5,811	10,585	7,862	24,258

Source: (1966-1977) Statistics Canada "Fertilizer Trade" (Stat. Can. Catalogue No. 46-207)
(1980-1987) Atlantic Fertilizer Institute

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FIGURE 1
FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
ATLANTIC PROVINCES

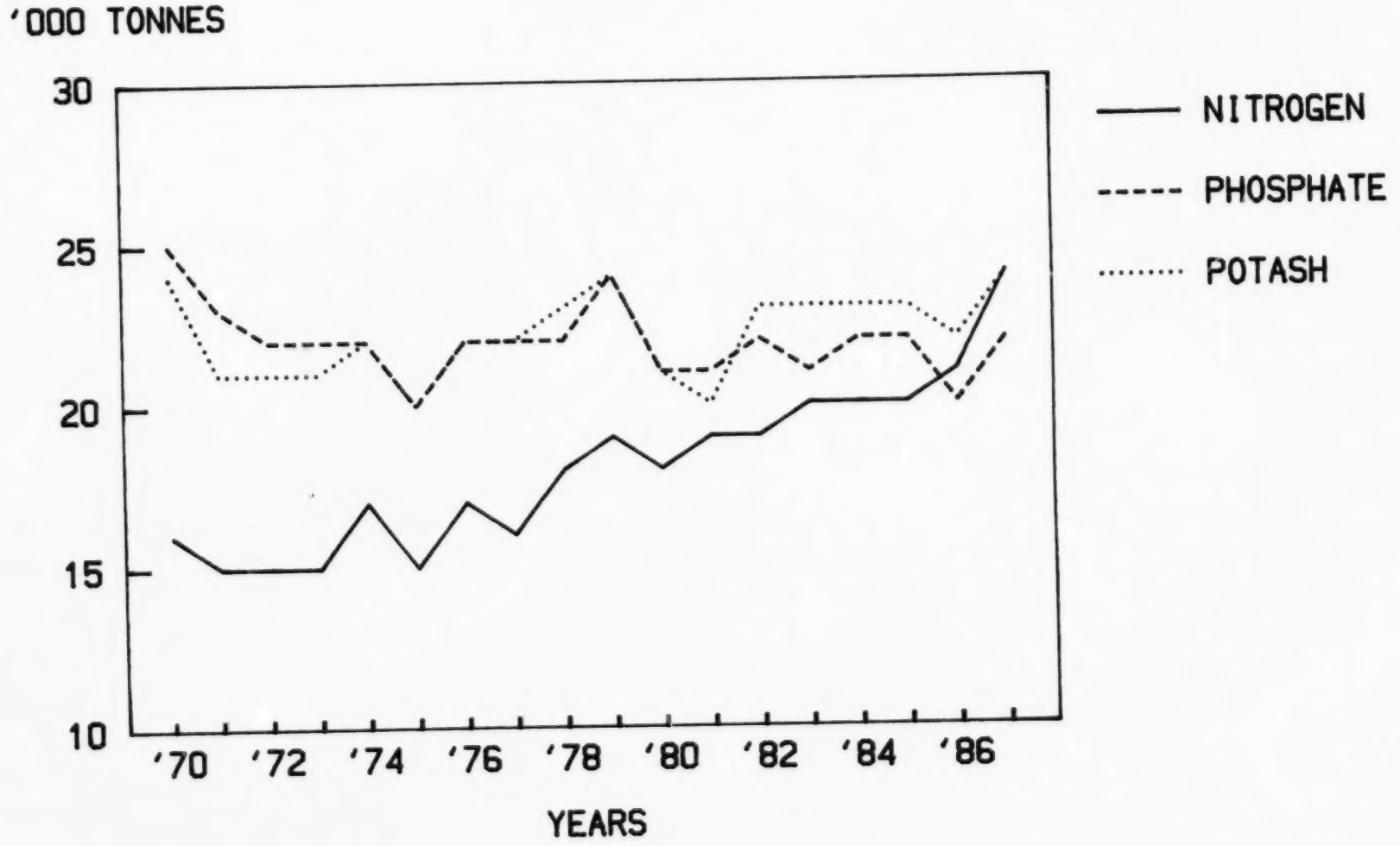

Table 2.5 Total Fertilizer Materials Used and Nutrient Content, Atlantic Provinces
Year Ended June 30

Year	Fertilizer Material	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	154,635	23,910	21,540	24,395	69,824
1986	145,199	21,157	20,218	21,853	63,228
1985	148,171	20,309	21,516	22,901	64,725
1984	148,500	20,100	21,500	23,300	64,900
1983	147,200	19,500	21,200	22,600	63,300
1982	146,100	19,000	21,700	22,800	63,500
1981	145,500	19,000	21,300	20,300	60,600
1980	139,200	17,700	20,500	21,300	59,500
1979	154,800	18,800	23,500	23,900	66,200
1978	151,100	18,300	22,400	22,800	63,500
1977	142,000	16,300	21,600	21,500	59,400
1976	146,768	16,534	22,180	22,304	61,018
1975	137,992	15,413	20,306	20,292	56,011
1974	149,619	16,728	22,158	21,944	60,830
1973	141,589	14,682	21,880	20,962	57,524
1972	139,280	14,804	21,510	21,114	57,428
1971	146,338	14,727	22,787	21,378	58,892
1970	160,826	15,685	25,195	23,896	64,776
1969	158,894	14,959	24,611	22,649	62,219
1968	155,038	11,903	22,998	21,209	56,110
1967	164,502	13,617	23,954	21,507	59,078
1966	164,077	13,524	24,375	21,407	59,306

Source: Summation of figures from Tables 2.1 to 2.4 inclusive.
(1966-1977) Originally derived from Statistics Canada "Fertilizer Trade" (Stat. Can. Catalogue No. 46-207)
(1980-1987) Atlantic Fertilizer Institute

FIGURE 2

FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
QUEBEC

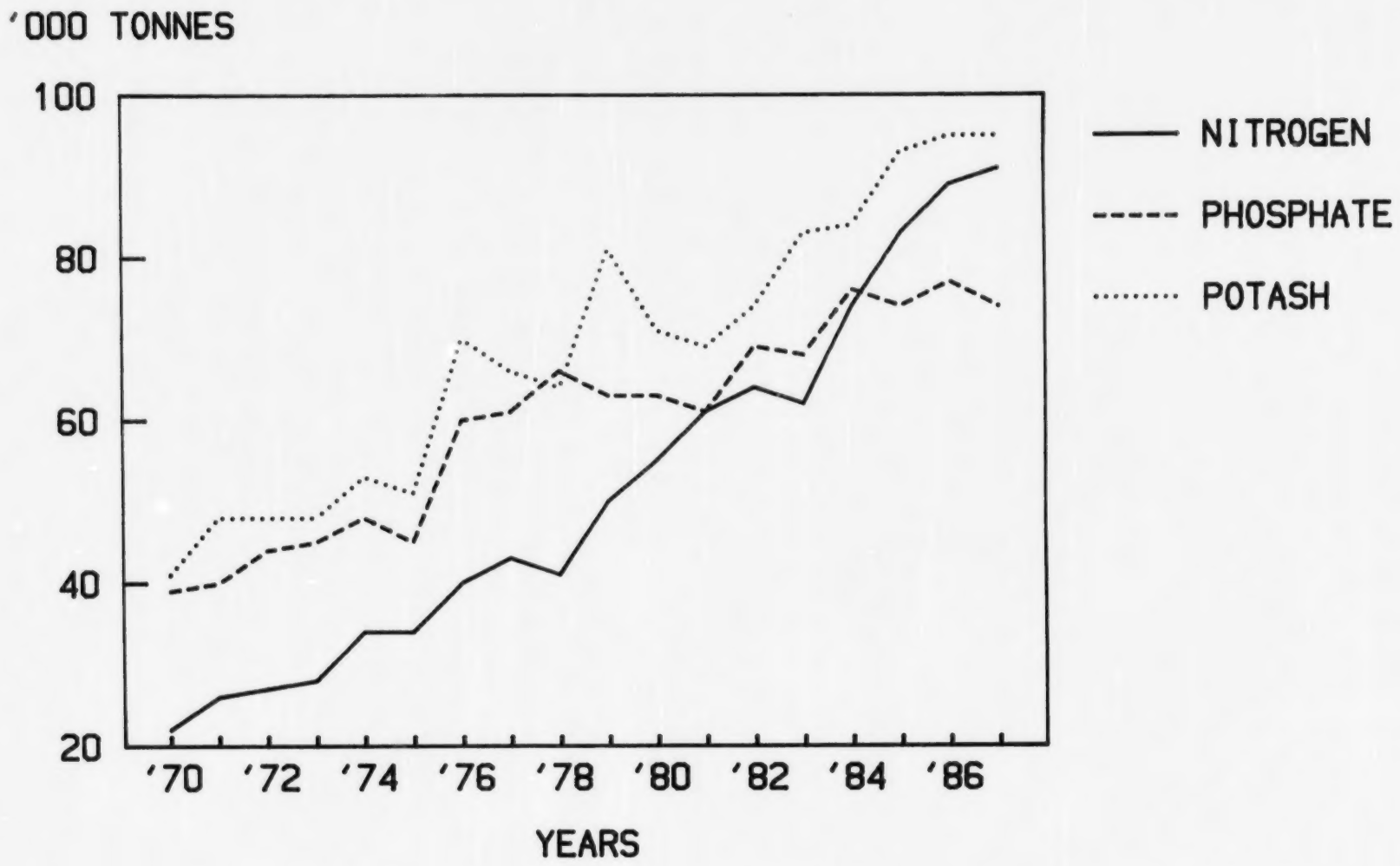

Table 2.6 Fertilizer Materials Used and Nutrient Content, Quebec
Year Ended June 30

Year	Fertilizer Material	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	521,224	90,692	76,404	95,457	262,553
1986	519,519	89,443	77,152	94,542	261,137
1985	498,785	83,315	73,801	92,683	249,800
1984	473,100	74,400	75,700	83,900	234,000
1983	433,400	62,400	67,900	82,500	212,800
1982	433,400	64,400	68,600	73,700	206,700
1981	420,000	61,400	61,000	69,000	191,400
1980	406,800	54,900	62,700	70,600	188,200
1979	421,700	49,800	62,900	80,700	193,400
1978	386,200	40,600	65,700	63,900	170,200
1977	361,600	43,400	60,800	65,830	170,030
1976	349,390	40,399	60,286	69,577	170,260
1975	329,895	33,519	44,928	50,889	129,340
1974	340,575	34,120	48,272	52,576	134,970
1973	311,604	27,793	44,671	47,822	120,290
1972	311,013	27,404	44,460	47,806	119,670
1971	302,464	25,687	39,782	47,599	113,070
1970	278,572	22,050	39,143	41,409	102,600
1969	271,977	19,725	37,981	39,812	97,518
1968	252,122	17,873	35,251	36,378	89,502
1967	251,408	15,963	36,402	33,614	85,979
1966	223,034	12,828	32,465	29,439	74,732

Source: (1966-1977) Statistics Canada "Fertilizer Trade", (Catalogue No. 46-207)
(1978-1987) Quebec Fertilizer Manufacturers' Association

FIGURE 3

FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
ONTARIO

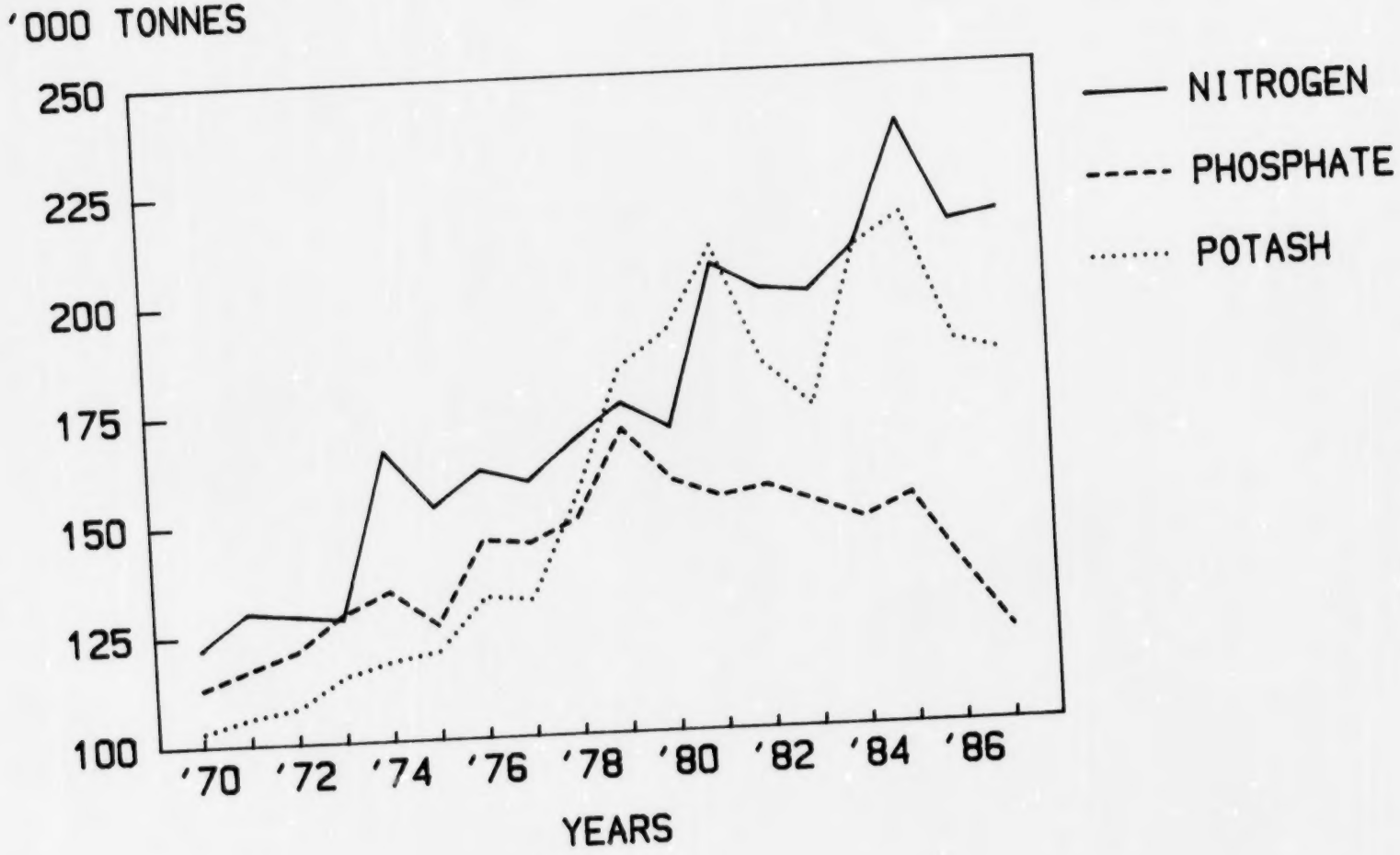

Table 2.7 Fertilizer Materials Used and Nutrient Content, Ontario
Year Ended June 30

Year	Fertilizer Material	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	1,012,534	216,466	120,677	183,269	520,412
1986	1,036,200	213,916	135,889	186,698	536,503
1985	1,162,175	237,409	152,021	216,156	605,600
1984	1,146,400	209,300	147,300	209,000	565,600
1983	1,031,900	199,000	151,400	173,000	523,400
1982	1,070,900	200,400	155,400	183,200	539,000
1981	1,137,900	205,600	153,100	210,000	568,700
1980	1,125,400	169,000	157,000	191,000	517,000
1979	1,185,000	174,700	169,100	183,000	526,800
1978	1,082,400	166,900	148,900	154,200	470,000
1977	952,200	157,500	144,400	131,200	433,100
1976	862,000	161,364	145,039	132,269	438,670
1975	894,392	152,952	126,036	120,157	399,150
1974	913,693	165,860	133,970	118,495	418,340
1973	849,957	127,895	128,638	114,763	371,300
1972	821,016	128,919	121,307	107,838	358,060
1971	811,702	130,433	117,278	106,750	354,460
1970	781,692	122,402	113,309	102,838	338,600
1969	711,233	89,774	107,596	100,417	297,790
1968	758,048	98,440	109,772	101,390	309,600
1967	746,799	83,075	108,867	100,682	292,620
1966	662,658	68,673	96,826	86,147	251,650

Source: (1966-1977) Statistics Canada "Fertilizer Trade", (Catalogue No. 46-207)
(1978-1987) The Fertilizer Institute of Ontario

FIGURE 4
FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
EASTERN CANADA

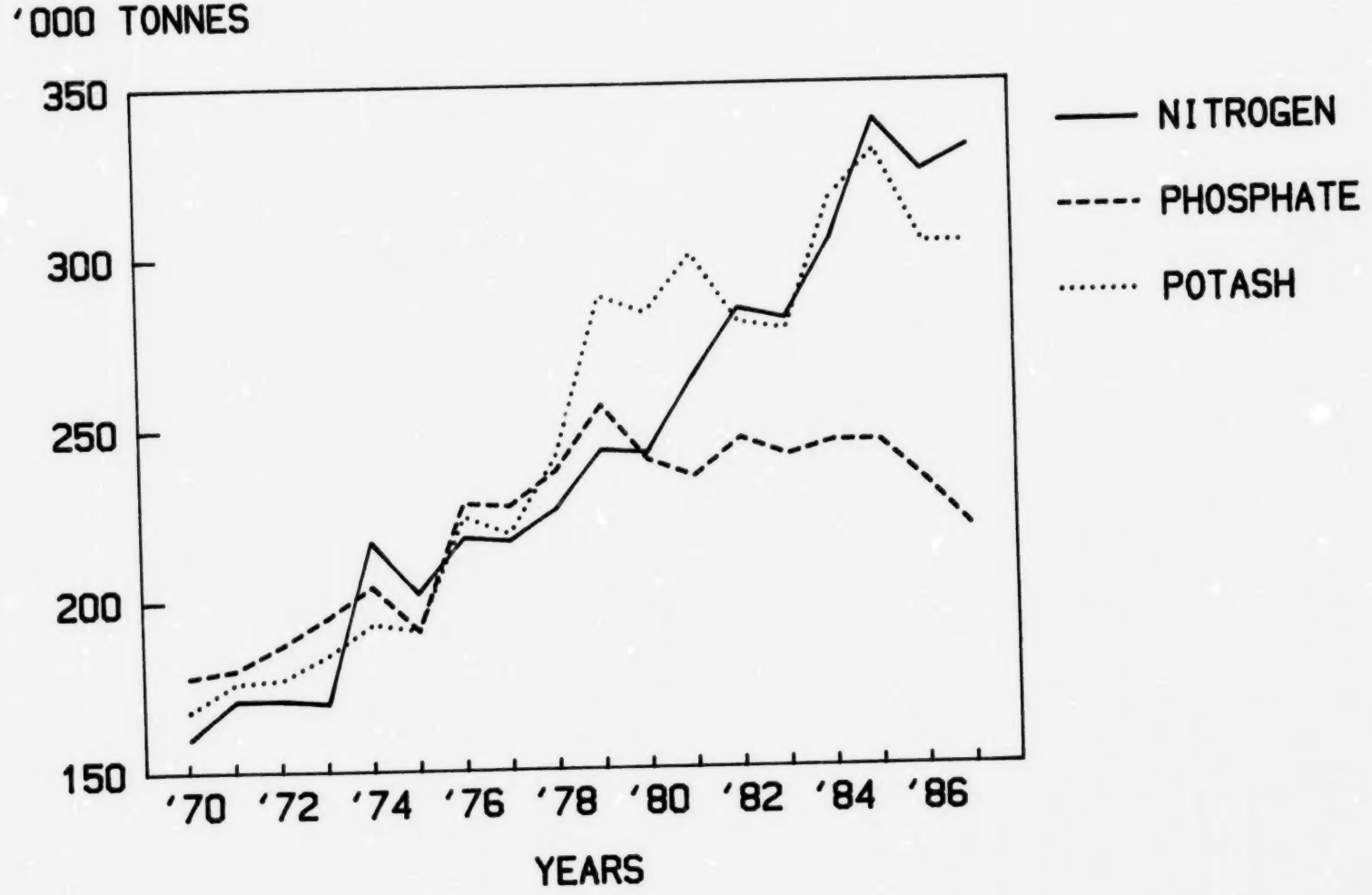

Table 2.8 Fertilizer Materials Used and Nutrient Content, Eastern Canada
Year Ended June 30

Year	Fertilizer Material	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
		(All figures in metric tonnes)			
1987	1,688,383	331,068	218,621	303,101	852,790
1986	1,700,918	324,516	233,259	303,093	860,868
1985	1,786,962	339,153	245,346	329,620	914,119
1984	1.768,000	303,800	244,500	316,200	864,500
1983	1,612,500	280,900	240,500	278,100	799,500
1982	1,650,400	283,800	245,700	279,700	809,200
1981	1,703,400	264,400	235,400	299,600	799,400
1980	1,671,400	241,600	240,200	282,900	764,700
1979	1,761,500	243,300	255,500	287,600	786,400
1978	1,619,900	225,800	237,000	240,900	703,700
1977	1,491,379	217,193	226,800	218,538	662,531
1976	1,482,100	218,297	227,505	224,150	669,952
1975	1,362,040	201,884	191,270	191,338	584,492
1974	1,403,634	216,708	204,400	193,015	614,123
1973	1,302,915	170,370	195,189	183,547	549,106
1972	1,271,080	171,127	187,277	176,758	535,162
1971	1,260,278	170,847	179,849	175,727	526,423
1970	1,220,875	160,137	177,647	168,143	505,927
1969	1,141,905	124,458	170,188	162,878	457,524
1968	1,165,003	128,216	168,021	158,977	455,214
1967	1,162,500	112,655	169,223	155,803	437,681
1966	1,140,387	95,025	153,666	136,993	385,684

Source: Summation of figures from Tables 2.5 to 2.7 inclusive.
(1966-1977) Originally derived from Statistics Canada "Fertilizer Trade" (Stat. Can. Catalogue No. 46-207)
(1978-1987) Regional fertilizer associations

FIGURE 5
FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
MANITOBA

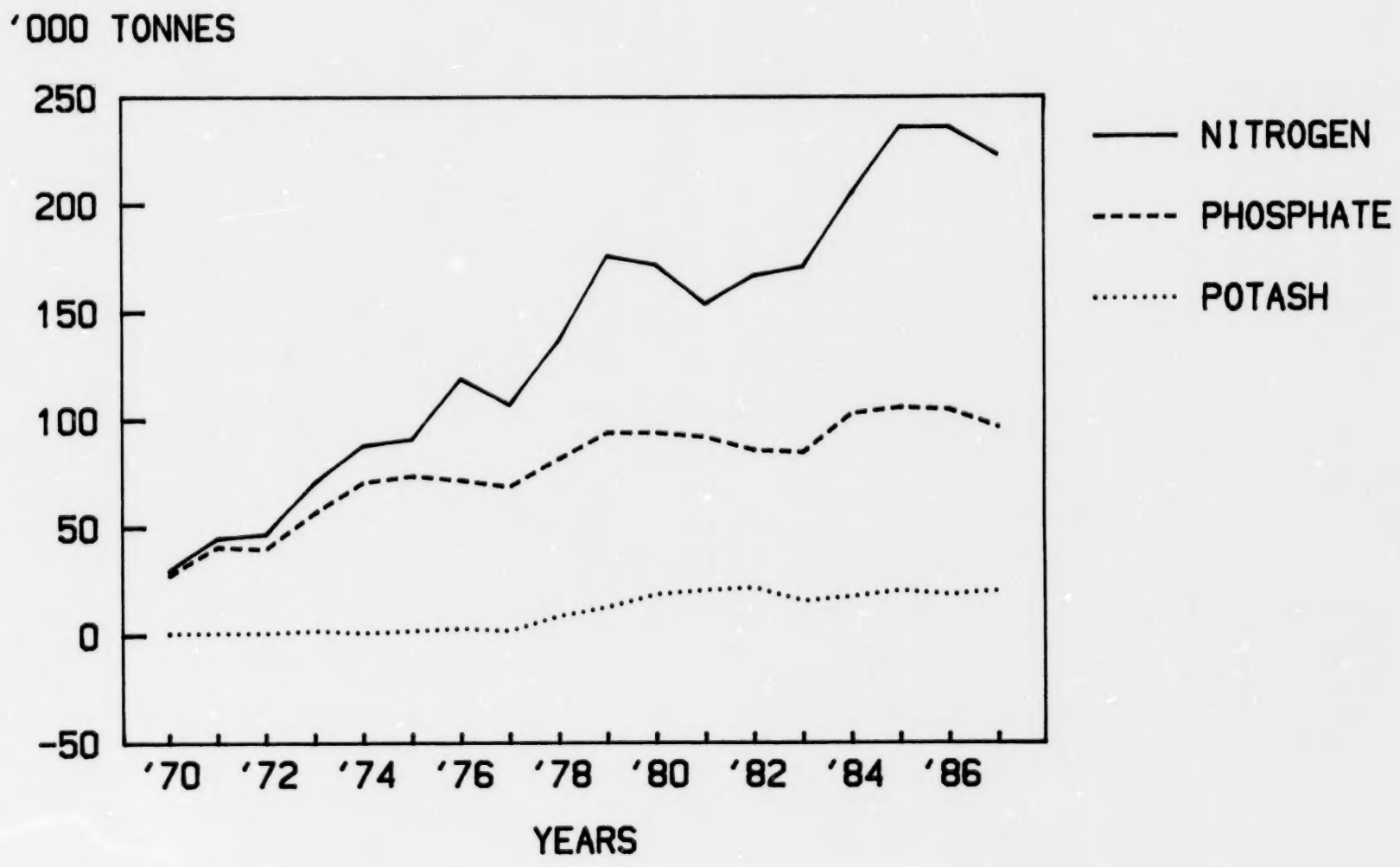

Table 2.9 Fertilizer Materials Used and Nutrient Content, Manitoba
Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	623,113	222,500	96,980	20,649	340,129
1986	673,475	235,960	105,429	19,396	360,785
1985	669,484	236,089	105,915	20,568	362,572
1984	588,686	205,114	103,319	17,661	326,094
1983	523,556	171,453	84,963	16,383	272,799
1982	521,187	167,107	85,520	21,526	274,153
1981	516,996	154,448	91,922	20,517	266,887
1980	548,692	172,374	94,447	19,459	286,280
1979	543,874	176,021	94,460	12,757	283,238
1978	455,810	136,857	82,454	8,901	228,212
1977	367,106	106,962	68,660	1,952	177,574
1976	369,358	118,962	71,887	2,918	193,767
1975	344,649	91,365	73,815	2,331	167,511
1974	326,241	87,586	70,672	1,316	159,574
1973	277,588	71,430	57,201	1,710	130,341
1972	196,502	47,390	39,643	1,363	88,396
1971	177,210	44,905	41,300	1,323	87,528
1970	120,336	30,256	28,644	1,412	60,312
1969	128,097	30,196	26,821	1,192	58,209
1968	219,776	52,083	48,642	1,416	102,141
1967	164,324	34,719	41,195	1,129	77,043
1966	139,147	26,762	37,769	686	65,217

Source: (1966-1977) Statistics Canada "Fertilizer Trade", (Stat. Can. Catalogue No. 46-207)
(1978-1987) Western Canada Fertilizer Association and the Potash and Phosphate Institute

FIGURE 6
FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
SASKATCHEWAN

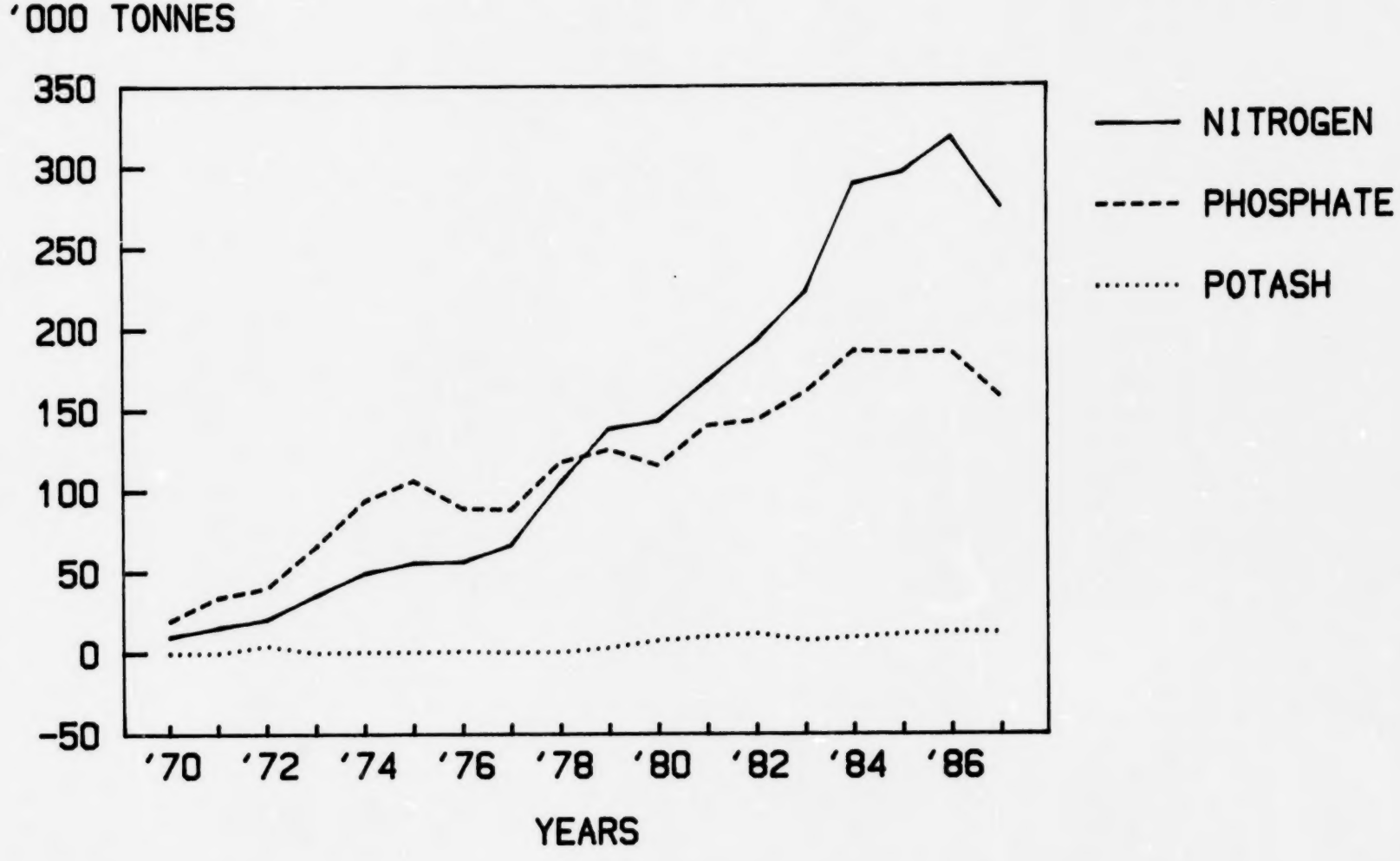

Table 2.10 Fertilizer Materials Used and Nutrient Content, Saskatchewan
Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	812,431	274,815	157,335	12,415	444,565
1986	926,651	317,800	185,537	12,724	516,061
1985	885,055	296,395	184,961	11,549	492,905
1984	876,162	289,261	186,296	9,276	484,833
1983	742,680	222,499	160,593	7,703	390,795
1982	630,650	191,974	143,185	11,738	346,897
1981	582,301	167,734	140,053	9,922	307,787
1980	513,932	142,700	115,530	7,382	265,612
1979	527,868	138,128	125,409	3,121	266,658
1978	432,490	104,825	117,653	638	223,116
1977	298,239	66,658	88,340	382	155,380
1976	284,092	56,351	89,252	764	146,367
1975	309,088	55,700	106,527	582	162,809
1974	277,060	49,328	94,070	636	144,034
1973	194,140	35,482	65,686	290	101,458
1972	118,403	20,707	40,201	4,575	65,483
1971	93,999	15,750	34,331	200	50,281
1970	57,878	10,052	20,423	128	30,603
1969	118,895	18,733	45,024	155	63,912
1968	243,280	40,491	87,903	628	129,022
1967	241,172	43,680	78,339	393	122,412
1966	194,782	31,153	68,708	252	100,113

Source: (1966-1977) Statistics Canada "Fertilizer Trade", (Stat. Can. Catalogue No. 46-207)
(1978-1987) Western Canada Fertilizer Association and the Potash and Phosphate Institute

FIGURE 7
FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
ALBERTA

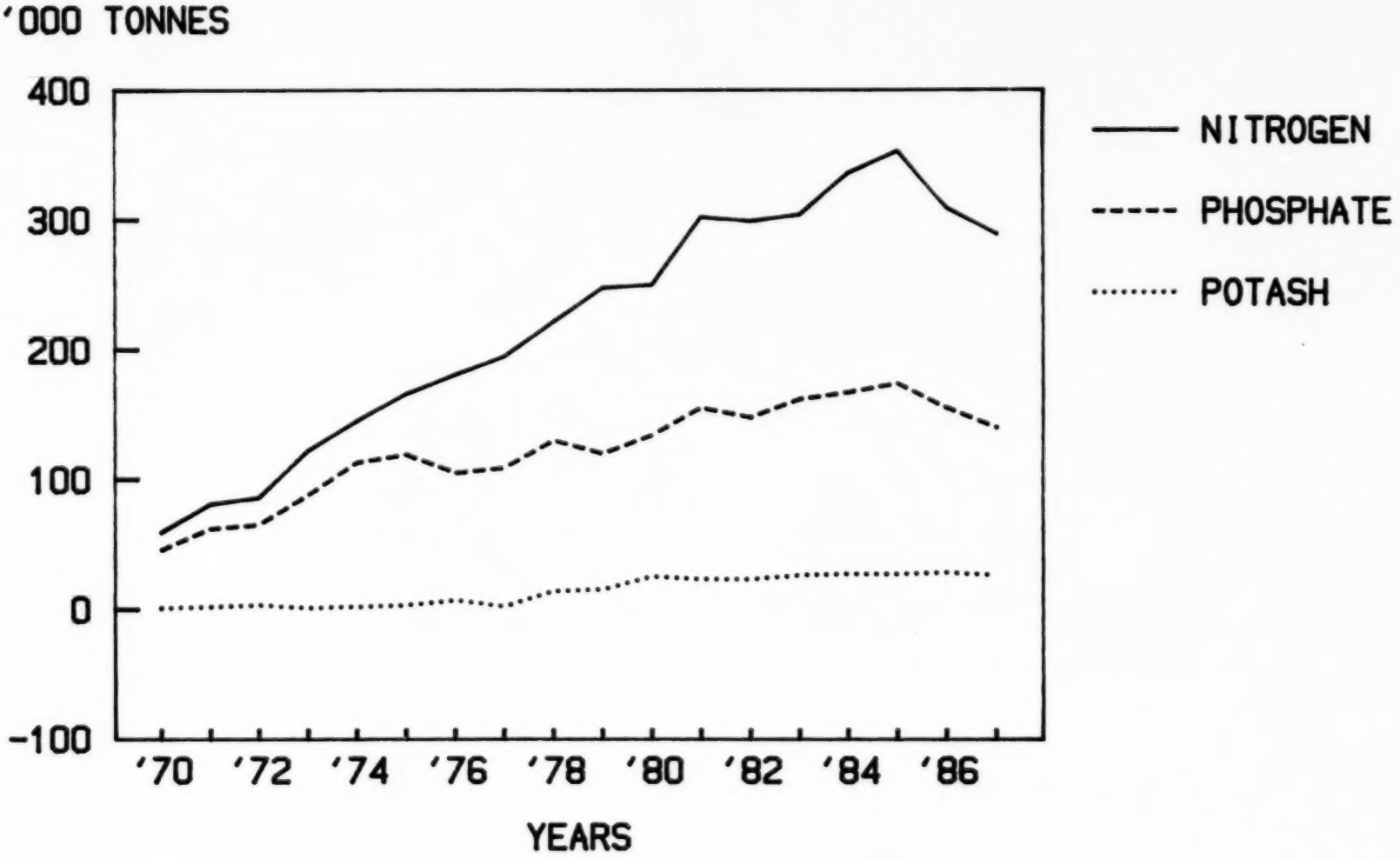

Table 2.11 Fertilizer Materials Used and Nutrient Content, Alberta
Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	843,466	289,186	140,197	26,348	455,731
1986	884,351	308,908	154,600	28,282	491,790
1985	995,157	353,469	174,067	27,420	554,956
1984	924,488	335,906	166,831	27,467	530,204
1983	869,116	303,815	162,294	26,098	492,207
1982	845,803	299,360	148,418	22,604	447,778
1981	859,233	302,154	154,623	23,434	480,211
1980	729,059	249,603	134,181	24,798	408,590
1979	748,891	247,611	119,724	15,374	382,709
1978	696,476	222,215	129,701	13,775	365,691
1977	585,937	194,691	108,972	2,282	306,215
1976	576,911	180,508	104,972	7,268	292,748
1975	569,341	166,399	118,884	3,262	288,545
1974	523,999	145,043	113,404	2,114	260,561
1973	422,366	121,738	87,721	1,229	210,688
1972	327,478	85,909	64,772	2,529	153,210
1971	317,518	80,999	61,983	1,581	144,564
1970	240,457	58,651	46,382	1,292	106,325
1969	281,912	70,582	65,504	863	136,949
1968	401,778	91,426	87,202	1,372	180,000
1967	361,913	78,342	78,056	746	157,144
1966	286,775	58,168	65,713	271	124,152

Source: (1966-1977) Statistics Canada "Fertilizer Trade", (Stat. Can. Catalogue No. 46-207)
(1978-1987) Western Canada Fertilizer Association and the Potash and Phosphate Institute

FIGURE 8
FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
BRITISH COLUMBIA

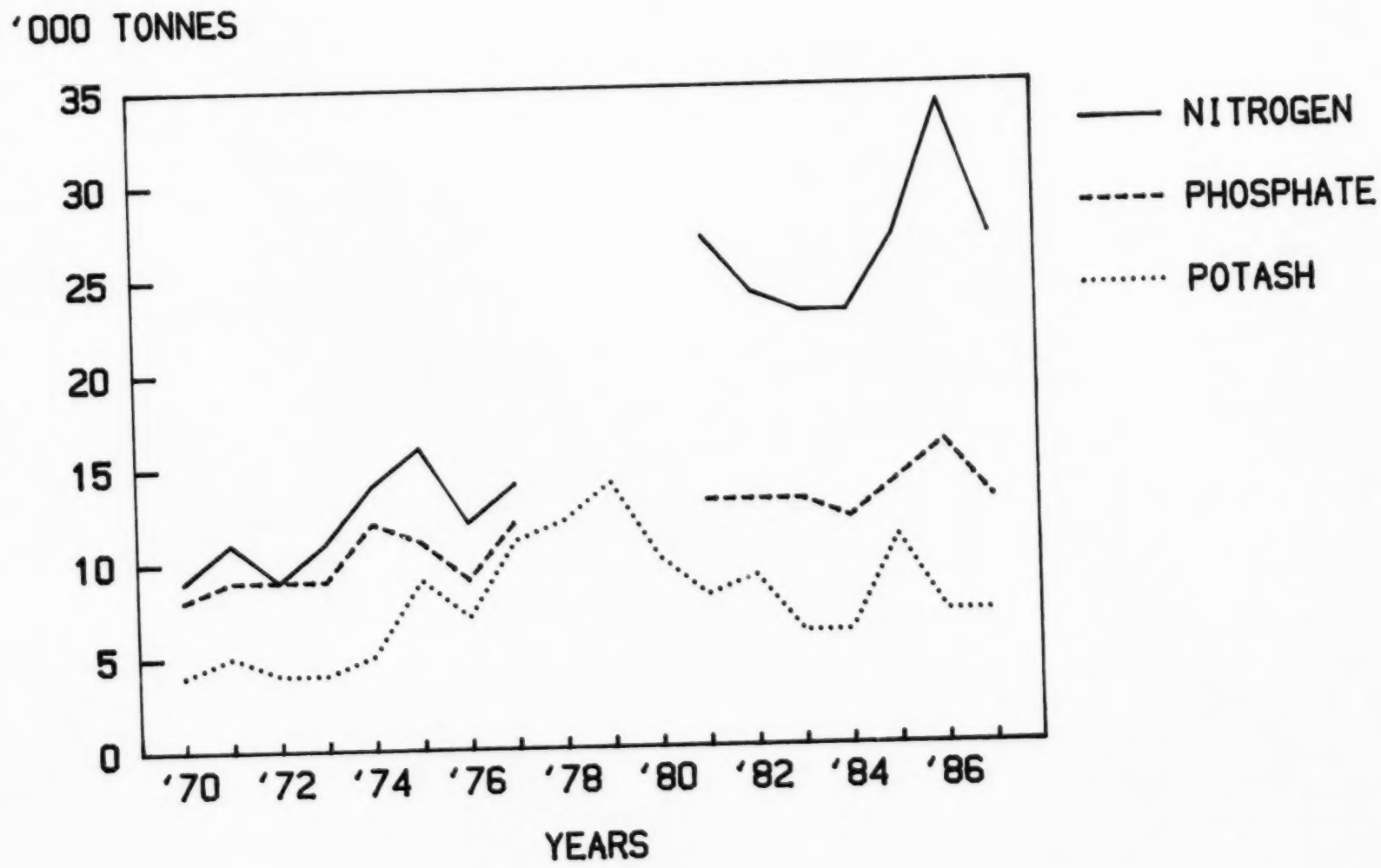

Table 2.12 Fertilizer Materials Used and Nutrient Content, British Columbia
Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	95,026	26,972	13,126	7,363	47,461
1986	114,596	33,537	16,285	6,706	56,528
1985	102,996	27,425	13,998	10,560	51,983
1984	86,001	23,446	11,761	6,269	41,476
1983	94,558	23,472	13,335	6,055	42,862
1982	93,670	23,657	13,442	9,417	46,516
1981	96,409	27,485	13,149	7,950	48,584
1980	109,280	N.A.	N.A.	9,823	N.A.
1979	89,349	N.A.	N.A.	14,375	N.A.
1978	62,572	N.A.	N.A.	11,543	N.A.
1977	86,099	14,069	11,914	11,095	37,078
1976	67,925	11,924	9,004	6,958	27,886
1975	91,371	15,895	11,232	9,284	36,411
1974	77,437	13,930	11,646	4,941	30,517
1973	63,537	10,694	9,466	3,917	24,077
1972	58,430	9,259	8,892	3,825	21,976
1971	65,817	10,560	8,900	5,488	24,950
1970	54,426	8,590	7,511	3,624	19,725
1969	50,487	7,849	7,700	3,205	18,754
1968	49,846	7,151	7,424	3,679	18,254
1967	48,820	7,266	7,091	3,495	17,852
1966	50,352	7,069	7,571	3,597	18,237

Source: (1966-1977) Statistics Canada "Fertilizer Trade", (Stat. Can. Catalogue No. 46-207)
(1978-1987) Western Canada Fertilizer Association and the Potash and Phosphate Institute

FIGURE 9
FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
WESTERN CANADA

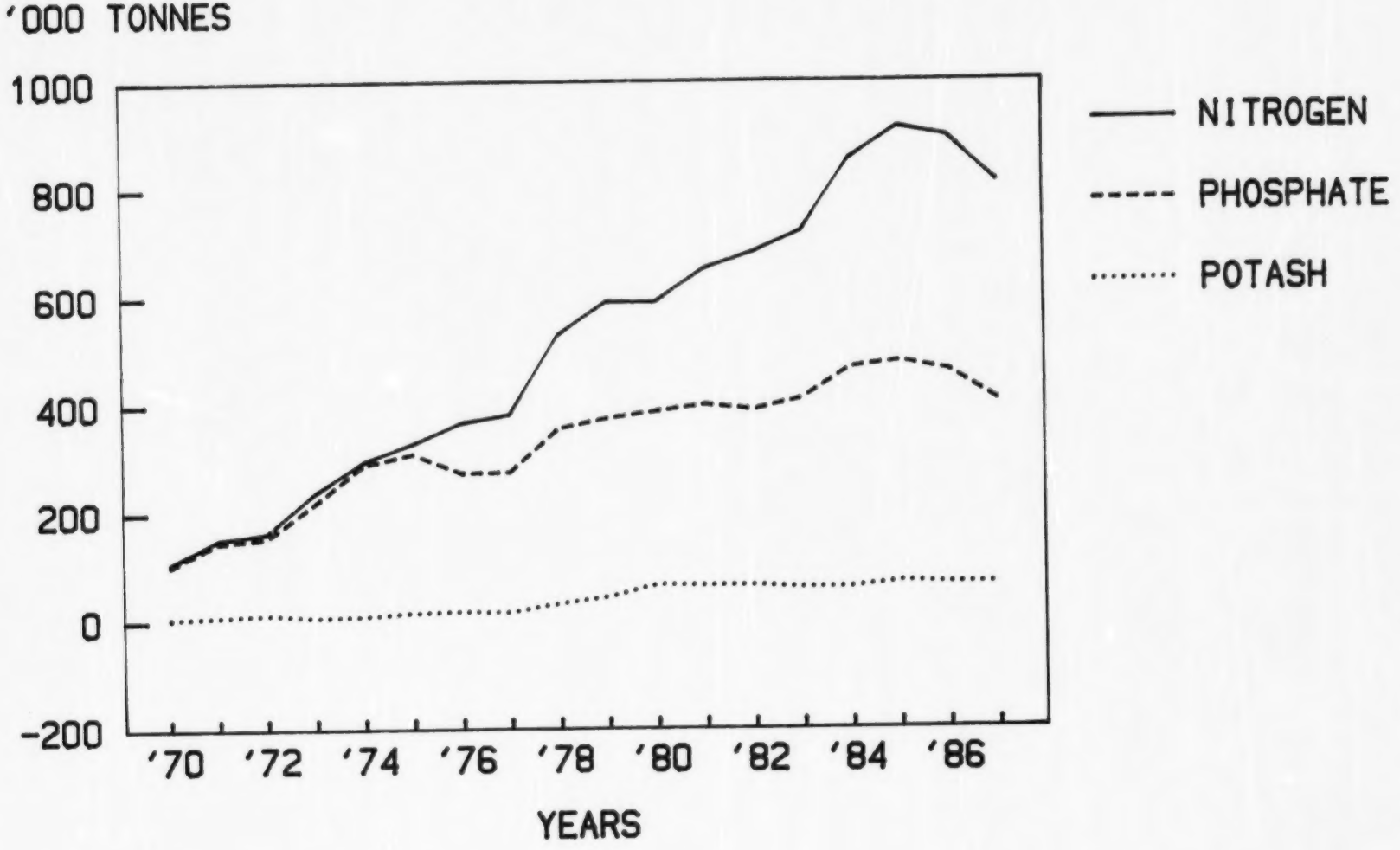

Table 2.13 Fertilizer Materials Used and Nutrient Content, Western Canada Year Ended June 30

Year	Fertilizer Material Used	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	2,380,273	813,473	407,638	66,789	1,287,900
1986	2,599,073	896,205	461,851	67,108	1,425,164
1985	2,647,675	913,378	478,941	70,097	1,462,416
1984	2,475,340	853,700	468,200	60,459	1,382,360
1983	2,229,910	721,000	411,200	59,601	1,191,800
1982	2,091,310	682,100	390,600	63,818	1,136,520
1981	2,054,940	651,800	399,700	63,696	1,115,200
1980	1,900,960	589,500	387,500	66,014	1,043,014
1979	1,909,980	591,100	374,500	42,795	1,008,395
1978	1,647,350	529,500	356,600	31,716	917,816
1977	1,337,380	381,900	275,900	15,711	673,511
1976	1,298,290	367,745	275,115	17,908	660,768
1975	1,314,450	329,359	310,458	15,459	655,280
1974	1,204,737	295,887	289,792	9,007	594,686
1973	957,631	239,344	220,074	7,146	466,564
1972	700,813	163,265	153,508	12,292	329,065
1971	654,544	152,214	146,514	8,593	307,321
1970	473,097	107,549	102,960	6,456	216,965
1969	579,391	127,360	145,049	5,415	277,824
1968	914,680	191,151	231,171	7,095	429,420
1967	816,229	164,007	204,681	5,763	374,451
1966	671,056	123,152	179,761	4,806	307,719

Source: Summation of figures from Tables 2.9 to 2.12 inclusive.
(1966-1977) Statistics Canada, "Fertilizer Trade", (Stat. Can. Catalogue No. 46-207)
(1978-1987) Western Canada Fertilizer Association and the Potash and Phosphate Institute

FIGURE 10
FERTILIZER CONSUMPTION, MEASURED AS NUTRIENT EQUIVALENT
ALL CANADA

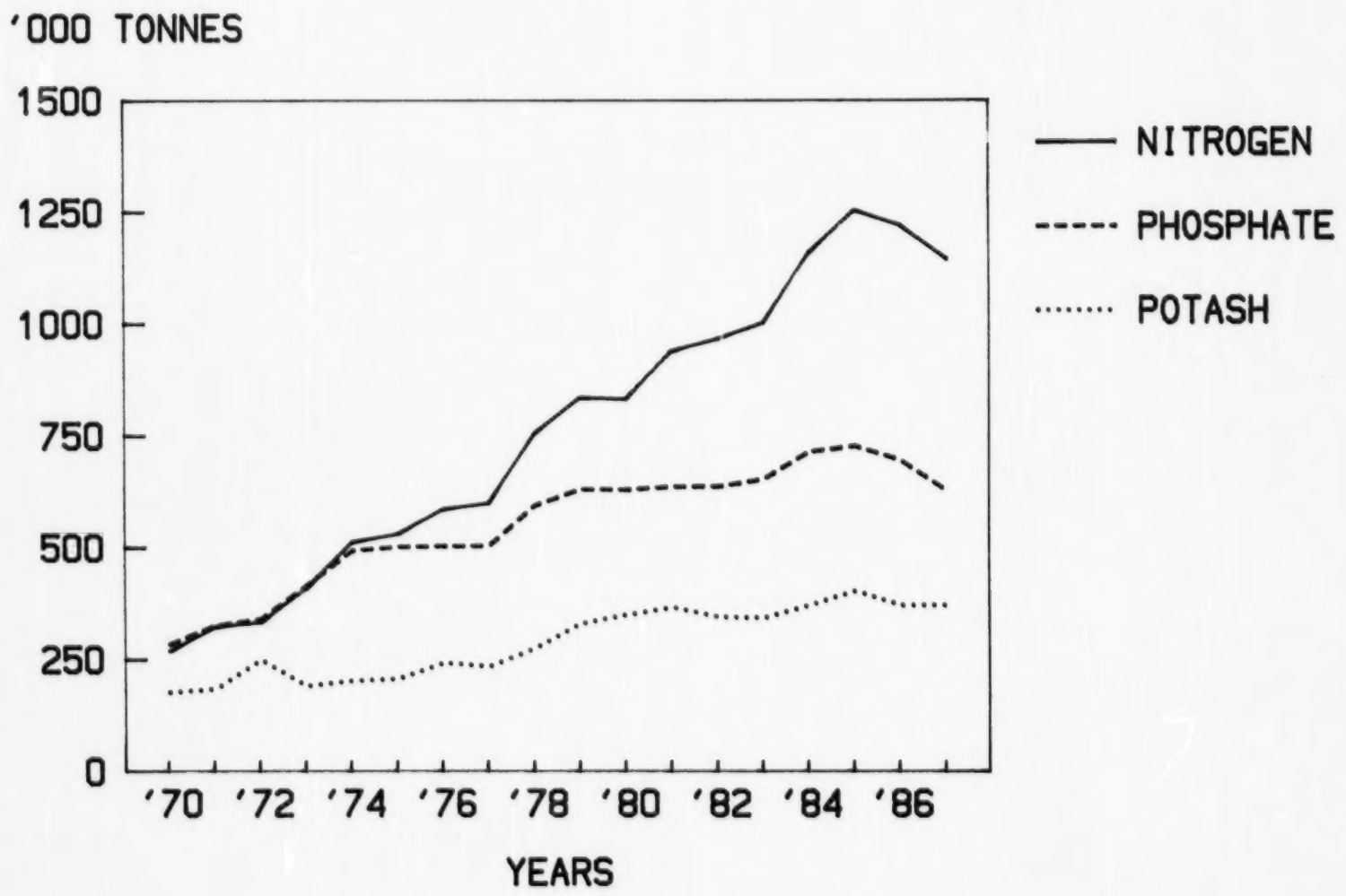

Table 2.14 Total Fertilizer Material and Nutrient Content, All Canada
Year Ended June 30

Year	Fertilizer Material	Nutrient Content			
		Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	All Nutrients (N + P + K)
	(All figures in metric tonnes)				
1987	4,068,656	1,144,537	626,259	369,890	2,140,686
1986	4,299,991	1,220,721	695,110	370,209	2,286,040
1985	4,434,637	1,254,411	726,279	401,837	2,382,527
1984	4,243,300	1,157,500	712,700	370,300	2,240,500
1983	3,842,400	1,001,900	651,700	342,100	1,996,200
1982	3,741,600	965,900	636,300	343,600	1,945,800
1981	3,758,300	937,800	635,100	365,600	1,938,500
1980	3,571,600	831,100	627,700	348,900	1,807,700
1979	3,671,100	834,400	630,400	330,400	1,794,800
1978	3,266,700	755,300	593,600	275,900	1,624,800
1977	2,828,756	599,120	503,180	234,231	1,336,531
1976	2,780,383	586,092	502,657	242,077	1,330,826
1975	2,676,410	531,286	501,765	206,812	1,239,863
1974	2,608,623	512,643	494,230	202,039	1,208,912
1973	2,260,778	409,748	415,294	190,708	1,015,750
1972	1,972,120	334,420	340,813	248,929	924,162
1971	1,915,045	323,084	326,387	184,333	833,804
1970	1,699,834	269,830	284,013	176,129	729,992
1969	1,721,491	251,839	315,530	168,307	735,676
1968	2,079,921	320,842	399,245	166,105	886,192
1967	1,980,785	276,700	373,954	161,608	812,262
1966	1,739,855	218,210	333,473	141,828	693,511

Source: Summation of figures from Tables 2.8 to 2.13 inclusive.
(1966-1977) Originally derived from Statistic Canada "Fertilizer Trade" (Stat. Can. Catalogue 46-207)
(1978-1987) Regional fertilizer associations and the Potash and Phosphate Institute

3. FERTILIZER SHIPMENT DATA

The fertilizer shipment data is derived from information on the province of destination for fertilizer shipments from the following domestic fertilizer manufacturers:

C-I-L Inc.

Cominco Ltd.

Cyanamid Canada Ltd.

Esso Chemical Canada

Nitrochem Inc.

Noranda Mines Ltd.

Simplot Chemical Co.

Sherritt Gordon Mines Ltd.

Western Co-operative Fertilizers Ltd.

Data on potash shipments are provided by the Potash and Phosphate Institute. All shipment information is compiled and presented by the Canadian Fertilizer Information System.

Shipments to different provinces are different from actual consumption, as shipments do not account for fertilizer imported from other countries. Furthermore, fertilizer shipped in a particular fertilizer year is not necessarily consumed in that period. Shipments tend to represent the original provincial destination of fertilizer once it leaves the manufacturer and do not account for fertilizer which is shipped to other provinces or exported after reaching that destination.

Table 3.1: Shipments to Domestic and Export Markets of Fertilizer of Domestic Manufacture

(Year Ended June 30, 1987)

	Domestic Market								Export Market[1]		Total
	Atlantic Provinces	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada Total	U.S.A.	Offshore	Shipments
	(all figures in metric tonnes)										
Nitrogen:											
Urea	502	9,065	46,896	147,376	279,034	229,100	23,347	735,320	625,391	191,853	1,552,564
Ammonium Sulphate	-	-	46	11,382	40,424	32,221	4,077	88,150	134,273	51,437	273,860
Ammonium Nitrate	28,575	27,806	78,160	61,382	40,792	74,947	12,124	354,249	164,126	148	518,523
Anhydrous Ammonia	-	2,163	47,466	117,279	101,048	145,992	692	414,640	565,769	-	930,409
Nitrogen Solutions	-	16,009	108,049	(2)	(2)	(2)	(2)	124,058	101,326	-	225,384
Phosphates:											
Urea Phosphates	-	-	6	4,491	20,451	11,890	330	37,168	-	-	37,168
Mono ammonium Phosphate	-	-	5,436	135,152	285,334	239,021	14,027	679,150	50,378	-	729,528
Diammonium Phosphate	(3)	(3)	(3)	-	-	9	22	126,453	26,625	20,314	173,392
Other Ammonium Phosphates	-	-	1	3,343	32,329	22,929	9,236	67,878	62,046	414	130,338
Potash:											
Muriate of Potash	46,654	161,778	305,621	33,640	50,727	42,712	11,231	652,363	6,502,850	4,661,588	11,816,801
Other[4]	-	-	39	19,552	18,263	16,290	6,598	60,742	6,623	-	67,365
Total	75,731(3)	246,821(3)	591,720(3)	534,060	868,402	815,151	81,864	3,340,171	8,239,407	4,925,754	16,505,332

1 Not all companies reporting domestic shipments report exports.

2 Nitrogen solutions in western Canada are listed as component urea and ammonium nitrate due to disclosure difficulties.

3 Diammonium phosphate in eastern Canada is not specified by province due to disclosure difficulties; however, the total is accurate.

4 Includes 10-34-0 due to disclosure difficulties.

Source: Canadian Fertilizer Information System,
Canadian Fertilizer Institute

4. FERTILIZER TRADE

Fertilizer trade data are compiled by province of entry or exit by Statistics Canada. These data do not represent the province of origin of exports nor the province in which imports were ultimately utilized. They simply reflect the point at which the fertilizer crossed the international border. As very little traded fertilizer is actually transported between Eastern and Western Canada, exports which are observed to have occurred from one region will have originated there and imports entering that region will be consumed there.[1] Trade statistics will therefore be relatively accurate on a regional basis (Table 4.1).

It should be noted that there are some discrepencies between these export figures and those in the shipment data of the previous section. Some of this is due to the fact that not all companies report their exports when submitting shipment information to the Canadian Fertilizer Information System. (Table 3.1). Other discrepancies in export data have been attributed to differences in the fertilizer year in which certain exports were assumed to have taken place. In addition, some of the Statistics Canada trade statistics include urea and ammonium nitrate which are used industrially, while those recorded for the Canadian Fertilizer Information System only include the volume considered to be fertilizer grade.

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1. The principal exception to this is potash exports shipped out through Thunder Bay, Ont. For the purposes of the following tables, potash which shows the province of export to be Ontario will be assumed to originate in western Canada

Table 4.1 Fertilizer Trade by Region and All Canada
Year Ended June 30, 1987

	Exports			Imports		
	East	West	Total	East	West	Total
	(All figures in metric tonnes of fertilizer material)					
Nitrogen:						
Urea	126,597	959,968	1,086,565	297,285	4,981	302,266
Ammonium Sulphate	5,304	169,214	174,518	6,965	154	7,119
Ammonium Nitrate	134,505	149,895	284,400	-	-	-
Anhydrous Ammonia	367,217	644,760	1,011,977	4,419	11,973	16,392
Nitrogen Solutions	122,568	8,830	131,398	57	17,531	17,588
Other Nitrogenous Fertilizer				10,157	5,970	16,127
Phosphate:						
Nitrogen Phosphates(1)	48,269	107,060	155,329			
Mono-ammonium Phosphate				104,807	46,014	150,821
Diammonium Phosphate				197,755	1,121	198,876
Other Ammonium Phosphate				5,121	9,018	14,139
Triple Superphosphate				90,043		90,611
Normal Superphosphate				12,601	-	12,601
Other Phosphate Fertilizers				13,340	1,371	14,711
Potash:						
Muriate of Potash	1,247,428	9,298,802(2)	10,546,230	905	41	946
Potassium Sulphate				34,977	535	35,512
Potassium Magnesium Sulphate				18,573	1,414	19,987
Prepared Mixtures	77,412	5,265	82,677	16,882	18,466	35,348
Other Fertilizers and Fertilizer Materials	10,389	8,371	18,760	14,710	7,422	22,232
Total	2,139,689	11,352,165	13,491,854	828,598	126,011	955,176

(1) All ammonium phosphates are included in this category for exports but are disaggregated for imports as shown.

(2) Includes exports from Ontario, as most of these exports are western potash being shipped through Thunder Bay.

Source: Statistics Canada

5. FARM EXPENDITURES ON FERTILIZER

Farm expenditures on fertilizer are currently estimated employing the National Farm Survey and taxfiler data. Prior to the introduction of National Farm Survey in 1983, the Agricultural Enumerative Survey and the Farm Enumerative Surveys were the chief sources of information. Before these surveys were introduced in the mid-1970's, consumption estimates were based on information from the Agricultural Census with appropriate adjustments for year-to-year variation in consumption.

Table 5.1 Total Farm Expenditures on Fertilizer and Lime (1)
Atlantic Provinces
Year Ended December 31

Year	Newfoundland	P.E.I.	Nova Scotia	New Brunswick	Atlantic Provinces
			(All figures in 000 of dollars)		
1987	1,043	16,937	9,189	12,893	40,062
1986	1,146	16,167	8,454	12,592	38,359
1985	1,141	16,244	8,405	12,436	38,226
1984	1,129	15,526	8,226	13,393	38,274
1983	1,041	15,116	7,576	12,299	36,032
1982	1,063	15,939	7,739	12,571	37,312
1981	1,043	15,791	7,645	11,988	36,467
1980	868	12,674	6,273	10,391	30,206
1979	501	12,606	6,802	10,080	29,989
1978	485	11,383	5,675	8,657	26,200
1977	485	9,449	5,386	8,126	23,446
1976	425	9,522	6,381	8,143	24,471
1975	425	9,429	6,259	8,249	24,362
1974	336	7,144	4,424	6,243	18,147
1973	247	4,679	3,564	4,138	12,628
1972	243	3,446	2,672	3,234	9,595
1971	N.A.	3,732	2,450	3,242	9,424 (2)
1970	N.A.	3,856	2,481	3,260	9,597 (2)
1969	N.A.	3,961	2,338	4,038	10,337 (2)
1968	N.A.	3,911	1,956	3,995	9,862 (2)
1967	N.A.	3,565	2,158	4,051	9,774 (2)
1966	N.A.	4,079	2,932	4,932	11,943 (2)

(1) Includes all costs associated with the purchase of fertilizer and, where applicable, fertilizer application

(2) Does not include Newfoundland in the total

Source: Statistics Canada

Table 5.2 Total Farm Expenditures on Fertilizer and Lime (1)
Central Canada
Year Ended December 31

Year	Quebec	Ontario	Central Canada(2)	Eastern Canada(3)
	(All figures in 000 of dollars)			
1987	147,832	226,111	373,943	414,005
1986	150,731	248,874	399,605	437,964
1985	154,668	276,810	431,478	469,704
1984	156,705	274,613	431,318	469,592
1983	143,442	239,837	383,279	419,311
1982	135,956	260,903	396,859	434,171
1981	131,822	261,034	392,856	429,323
1980	117,873	256,481	374,354	404,560
1979	107,735	222,715	330,439	360,439
1978	90,614	191,410	282,024	308,224
1977	66,048	152,322	218,370	241,816
1976	66,212	147,664	213,876	238,347
1975	63,354	160,046	223,400	247,762
1974	45,225	107,715	152,940	171,087
1973	30,574	76,485	107,059	119,687
1972	27,859	64,344	92,203	101,798
1971	25,563	62,929	88,492	97,916 (4)
1970	23,900	57,762	81,662	91,259 (4)
1969	24,316	57,034	81,350	91,687 (4)
1968	23,786	74,383	98,169	108,031 (4)
1967	22,809	64,908	87,717	97,491 (4)
1966	21,931	57,700	79,631	91,574 (4)

(1) Includes all costs associated with the purchase of fertilizer and, where applicable, fertilizer application

(2) Quebec and Ontario

(3) Central and Atlantic Canada

(4) Does not include Newfoundland in the total

Source: Statistics Canada

Table 5.3 Total Farm Expenditures on Fertilizer and Lime (1)
Western Canada and Canada Total
Year Ended December 31

Year	Manitoba	Saskatchewan	Alberta	British Columbia	Western Canada	Total Canada
			(All figures in 000 of dollars)			
1987	172,251	280,986	245,000	25,329	723,566	1,137,571
1986	204,529	346,568	314,500	29,406	895,003	1,332,967
1985	218,748	329,124	357,857	30,689	936,418	1,406,122
1984	211,073	299,510	336,070	26,863	873,516	1,343,108
1983	188,069	266,705	315,028	25,193	794,995	1,214,306
1982	167,540	212,853	288,387	25,737	694,517	1,128,688
1981	162,959	198,928	280,275	24,246	666,408	1,095,731
1980	145,361	166,100	202,906	21,939	536,306	940,866
1979	133,540	142,914	179,205	19,300	474,959	835,398
1978	101,402	101,575	142,352	21,678	367,007	675,231
1977	73,516	61,619	114,696	14,657	241,488	506,304
1976	65,274	56,590	107,156	14,402	243,422	481,769
1975	59,340	56,754	99,654	15,330	231,128	478,890
1974	36,732	35,081	63,663	9,880	145,356	316,443
1973	26,708	22,143	42,584	6,186	97,621	217,308
1972	18,903	14,587	33,330	5,996	72,816	174,614
1971	15,780	11,592	29,966	6,382	63,720	161,636 (2)
1970	10,906	7,281	22,714	5,281	46,182	137,441 (2)
1969	13,050	14,247	30,169	5,923	63,389	155,076 (2)
1968	24,772	29,291	43,266	5,649	102,978	211,009 (2)
1967	18,521	28,395	38,099	5,691	90,706	188,197 (2)
1966	15,302	21,768	28,069	5,576	70,715	162,289 (2)

(1) Includes all costs associated with the purchase of fertilizer and, where applicable, fertilizer application

(2) Does not include Newfoundland in the total

Source: Statistics Canada

APPENDIX: ADDRESSES OF DATA SOURCES

Canadian Fertilizer Institute
#301 - 280 Albert Street
Ottawa, Ontario
K1P 5G8
(613) 230-9029

Atlantic Fertilizer Institute
P.O. Box 2920
Charlottetown, P.E.I.
C1A 8C5
(902) 894-7303

Quebec Fertilizer
Manufacturers' Association
P.O. Box 218
Jean Talon Station
Montreal, P.Q.
H1S 2Z2
(514) 328-5976

The Fertilizer Institute
of Ontario
#203 Dixie Plaza
1250 South Service Road
Mississauga, Ontario
L5E 1V4
(416) 274-2870

The Western Canada
Fertilizer Association
724 Oakhill Place
Calgary, Alberta
T2V 3X9
(403) 281-6345

The Potash and Phosphate
Institute
Suite 704 - CN Tower
Midtown Plaza
Saskatoon, Saskatchewan
S7K 1J5
(306) 652-3535